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| | | | | |
|--|-------------|----------------------|---------------------|------------------|
| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
| 09/817,198 | 03/27/2001 | Jane Ye | CL001188 | 9081 |
| 7590 | 05/11/2004 | | EXAMINER | |
| CELERA GENOMICS CORPORATION 45 West Gude Dr. C2-4#20 Rockville, MD 20850 | | | RAWLINGS, STEPHEN L | |
| | | | ART UNIT | PAPER NUMBER |
| | | | 1642 | 17 |
| DATE MAILED: 05/11/2004 | | | | |

Please find below and/or attached an Office communication concerning this application or proceeding.



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| APPLICATION NO./ CONTROL NO. | FILING DATE | FIRST NAMED INVENTOR / PATENT IN REEXAMINATION | ATTORNEY DOCKET NO. |
|---------------------------------|-------------|---|---------------------|
|---------------------------------|-------------|---|---------------------|

EXAMINER

ART UNIT PAPER

17

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner for Patents

NOTIFICATION OF SUSPENSION

All claims are presently allowable. However, a reference relevant to the examination of this application may soon become available. Therefore, *ex parte* prosecution is SUSPENDED FOR A PERIOD OF SIX (6) MONTHS from the date of this letter. Upon expiration of the period of suspension, applicant should make an inquiry as to the status of the application.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Stephen L. Rawlings, Ph.D. whose telephone number is (571) 272-0836. The examiner can normally be reached on Monday-Friday, 8:30AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Yvonne (Bonnie) Eyler, Ph.D. can be reached on (571) 272-0871. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Stephen L. Rawlings, Ph.D.
Examiner
Art Unit 1642

slr
April 7, 2004


YVONNE EYLER, PH.D
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 1600

Attachment: Form PTO-1449, Paper No. 16.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Jane YE et al.

Art Unit: 1642

Serial No.: 09/817,198

Examiner: S. Rawlings

Filed: March 27, 2001

Atty. Docket: CL001188

For: ISOLATED HUMAN RAS-LIKE PROTEINS, NUCLEIC
ACID MOLECULES ENCODING HUMAN RAS-LIKE
PROTEINS, AND USES THEREOF

PTT/16
RECEIVED

AUG 18 2003

TECH CENTER 1600/2900

**Statement Regarding Duty to Disclose Information Material To Patentability Under
37 CFR 1.56 (a) and (b)**

Assistant Commissioner for Patents
Washington, D.C. 20231

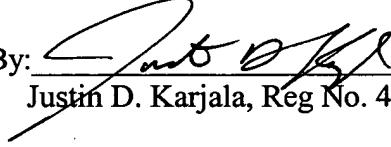
Sir:

Applicants hereby notify the US Patent and Trademark Office of the documents listed on the attached PTO Form SB/08A, which may be deemed relevant to the patentability of the claims of the above application. One copy of each of the listed documents is submitted herewith. The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application.

Please charge the fee set forth in §1.17(p) to deposit account number 50-0970. Furthermore, the Office is authorized to charge any other necessary fees related to the processing of this application to Deposit Account No. 50-0970.

Respectfully submitted,
CELERA GENOMICS

Date: August 15, 2003

By: 
Justin D. Karjala, Reg No. 43,704

Celera Genomics Corporation
45 West Gude Drive, C2-4#21
Rockville, MD 20850
Tel: 240-453-3812
Fax: 240-453-3084

Patent Screen Results

Your Fasta Input (protein sequence):

>CL001188, SEQ ID NO:2, July 22, 2003

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1 MAKQYDVLFR LLLIGDGVG KTCLLCRFTD NEFHSSHIST IGVDFKMKTI
51 EVDGIVKVRIG IWDTAGQERY QTITKQYYRR AQGIFLVYDI SSERSYQHIM
101 KWVSDVDEYA PEGVQKILIG NKADEEQKRG VGREQQQLA KEYGMDFYET
151 SACTNLNIKE SFTRLTELVL QAHRKELEGL RMRASNELAL AELEEEEKGKP
201 EGPANSSKTC WC
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BLASTP 2.0.14 [Jun-29-2000]

Reference: Altschul, Stephen F., Thomas L. Madden, Alejandro A. Schaffer, Jinghui Zhang, Zheng Zhang, Webb Miller, and David J. Lipman (1997), "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs", Nucleic Acids Res. 25:3389-3402.

Query= CL001188, SEQ ID NO:2, July 22, 2003
(212 letters)

Database: /work/eda/blast/public/FastAlert_P.fasta
261,406 sequences; 38,879,213 total letters

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| Sbjct: 27 | MAKQYDVLFRLLLIGDSGVGKTCLLCRFTDNEFHSHISTIGVDFKMKTIEVDGIKVRIQ | 86 |
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| Sbjct: 87 | IWDTAGQERYQTITKQYYRRAQGIFLVYDISSERSYQHIMKWVSDVDEYAPEGVQKILIG | 146 |
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| | NKADEEQKRQVGREQQQLAKEYGMDFYETSACTNLNIKESFTRLTELVLQAHRKELEGL | |
| Sbjct: 147 | NKADEEQKRQVGREQQQLAKEYGMDFYETSACTNLNIKESFTRLTELVLQAHRKELEGL | 206 |
| Query: 181 | RMRASNELALAELEEEEGKPEGPANSSKTCWC | 212 |
| | RMRASNELALAELEEEEGKPEGPANSSKTCWC | |
| Sbjct: 207 | RMRASNELALAELEEEEGKPEGPANSSKTCWC | 238 |

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Posted date: Mar 1, 2003 1:40 PM
Number of letters in database: 38,879,213
Number of sequences in database: 261,406

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| 0.317 | 0.134 | 0.389 |

Gapped

| Lambda | K | H |
|--------|--------|-------|
| 0.270 | 0.0470 | 0.230 |

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Matrix: BLOSUM62
Gap Penalties: Existence: 11, Extension: 1
Number of Hits to DB: 15413235
Number of Sequences: 261406
Number of extensions: 575941
Number of successful extensions: 2573
Number of sequences better than 1.0e-08: 117
Number of HSP's better than 0.0 without gapping: 74
Number of HSP's successfully gapped in prelim test: 43
Number of HSP's that attempted gapping in prelim test: 2415
Number of HSP's gapped (non-prelim): 118
length of query: 212
length of database: 38,879,213
effective HSP length: 51
effective length of query: 161
effective length of database: 25,547,507
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effective search space used: 4113148627
T: 11
A: 40
X1: 16 ( 7.3 bits)
X2: 38 (14.8 bits)
X3: 64 (24.9 bits)
S1: 41 (21.7 bits)

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S2: 139 (58.6 bits)

BLASTP 2.0.14 [Jun-29-2000]

Reference: Altschul, Stephen F., Thomas L. Madden, Alejandro A. Schaffer, Jinghui Zhang, Zheng Zhang, Webb Miller, and David J. Lipman (1997), "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs", Nucleic Acids Res. 25:3389-3402.

Query= CL001188, SEQ ID NO:2, July 22, 2003
(212 letters)

Database: /work/eda3/blast/public/geneseqp_all.fasta
952,616 sequences; 143,563,330 total letters

| | | Score (bits) | E Value |
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| CRA 335001101587561 | /dataset=GENESEQ /org=Homo sapiens /taxon=9... | 428 | e-119 |
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Query: 61 IWDTAGQERYQTITKQYYRRAQGIFLVYDISSERSYQHIMKWVSDVDEYAPEGVQKILIG 120
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Query: 181 RMRASNELALAELEEEEGKPEGPANSSKTCWC 212
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Query: 121 NKADEEQKRQVGREQGQQQLAKEYGMDFYETSACTNLNIKESFTRLTELVLQAHRKELEGL 180
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 Query: 61 IWDTAGQERYQTITKQYYRRAQGIFLVYDISSERSYQHIMKVVSDVDEYAPEGVQKILIG 120
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 Query: 175 KELEGLRMRASNELALAELEEEEGKPEGPANSSKTCWC 212
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Database: /work/eda3/blast/public/geneseqp_all.fasta
Posted date: Mar 2, 2003 3:26 AM
Number of letters in database: 143,563,330
Number of sequences in database: 952,616

Lambda K H
0.317 0.134 0.389

Gapped
Lambda K H
0.270 0.0470 0.230

Matrix: BLOSUM62
Gap Penalties: Existence: 11, Extension: 1
Number of Hits to DB: 57070426
Number of Sequences: 952616
Number of extensions: 2081050
Number of successful extensions: 9986
Number of sequences better than 1.0e-08: 869
Number of HSP's better than 0.0 without gapping: 504
Number of HSP's successfully gapped in prelim test: 365
Number of HSP's that attempted gapping in prelim test: 8851
Number of HSP's gapped (non-prelim): 881
length of query: 212
length of database: 143,563,330
effective HSP length: 54
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effective length of database: 92,122,066
effective search space: 14555286428
effective search space used: 14555286428
T: 11
A: 40
X1: 16 (7.3 bits)
X2: 38 (14.8 bits)
X3: 64 (24.9 bits)
S1: 41 (21.7 bits)
S2: 144 (60.5 bits)

BLASTP 2.0.14 [Jun-29-2000]

Reference: Altschul, Stephen F., Thomas L. Madden, Alejandro A. Schaffer, Jinghui Zhang, Zheng Zhang, Webb Miller, and David J. Lipman (1997), "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs", Nucleic Acids Res. 25:3389-3402.

Query= CL001188, SEQ ID NO:2, July 22, 2003
(212 letters)

Database: /work/eda/blast/public/pataa.fasta
119,338 sequences; 19,610,776 total letters

Searching.....done

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| CRA 225000041356594 | /altid=gi 15795884 | /def=emb CAC88253.1 | unn... | 209 2e-54 |
| CRA 225000041421315 | /altid=gi 5987941 | /def=gb AAE17106.1 | Seque... | 209 2e-54 |
| CRA 225000041413861 | /altid=gi 5987967 | /def=gb AAE17132.1 | Seque... | 205 2e-53 |
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| CRA 225000041401255 | /altid=gi 5987950 | /def=gb AAE17115.1 | Seque... | 192 2e-49 |
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Number of letters in database: 19,610,776
Number of sequences in database: 119,338

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Gapped
Lambda K H
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Matrix: BLOSUM62
Gap Penalties: Existence: 11, Extension: 1
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PTO/SB/08B (10-01)

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Sheet 1 of 1

Complete if Known

| | |
|------------------------|----------------|
| Application Number | 09/817,198 |
| Filing Date | March 27, 2001 |
| First Named Inventor | Jane YE et al. |
| Group Art Unit | 1642 |
| Examiner Name | S. Rawlings |
| Attorney Docket Number | CL001188 |

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|-------------------|------------|---|----------------|
| SR | | <p><u>Results of BLAST search of SEQ ID NO:2 against Derwent (FastAlert and GeneSeqP) and NCBI (pataa) protein patent databases on July 22, 2003</u></p> | |

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| Examiner Signature |  | Date Considered | 4/7/04 |
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